



**AUSTRALIAN-MADE
WITH RECYCLED MATERIAL**

MEGAFLO® GREEN PANEL DRAINAGE SYSTEM



protect
capture
filter

GEOFABRICS®
Sustainable solutions



2X
inflow
capacity,
more than
60%
drainage
response
time



**Recycled
geopipe**



**Recycled
packaging**

Megaflo Green panel drainage system

Megaflo® Green is a wide and flat-shaped drainage panel system that provides the dimensional stability and field-proven structural strength for quick and effective sub-surface drainage. It is made from recycled HDPE material and is covered or wrapped with our Bidim® Green non-woven geotextile which helps to prevent soil migration into the drainage system.

Megaflo Green offers the ability to collect and remove water rapidly due to its unique shape and ribbed profile. Compared to 100mm round pipe, Megaflo Green has twice the inflow capacity and will drain water in less than 60% of the time. Its slim 40mm wide profile permits faster and more cost-effective installation.

Why choose Megaflo Green?

In infrastructure development projects such as roads, retaining walls, tunnels and sports field applications, Megaflo Green offers superior drainage properties.

Megaflo Green provides:

- Rapid drainage rate due to its ability to effectively remove excess water with its superior design and increased in-take slot distribution
- Higher compressive strength under traffic loads due to its structural rigidity
- A cost optimised solution compared to conventional drainage methods by offering reduced trench excavation

Megaflo Green Ultra is a heavier grade offering greater crush resistance for extreme high fill, high load applications without compromising any of its proven performance.

Sustainability with Megaflo Green

Our Megaflo Green range is made from 100% locally sourced, recycled HDPE plastic. Production currently uses between 500 - 1,000 tonnes of Australian sourced recycled materials every year.

We work to protect, contain and secure the physical environment using smart geotextile and geosynthetic products. We help our clients mitigate environmental risk through world leading research and innovative product development.

Sustainability with Geofabrics

We believe Australian manufacturers have a responsibility to source and adopt local recycled raw materials into their manufacturing process. We will continue to seek innovative improvements for existing products and opportunities to replace virgin material with recycled material without compromising performance.

Geofabrics is a proud member of the Infrastructure Sustainability Council (ISC) and Megaflo Green is available on ISupply.

MEGAFLO GREEN RANGE

Megaflo Green Grade	Panel Height	ISCv1.2 Rating Credits	ISv2.0 Rating credits
MEG170G	170mm	Pro-2, Pro-3, Inn-1, Ene-1, Cli-1, Lan-3, Was-3, Mat-1	Spr-2, Spr-3, Inn-1, Ene-1, Ecn-4, Res-2, Rso-2, Rso-4, Rso-5, Rso-6
MEG300G	315mm		
MEG450G	460mm		
MEG170G ULTRA	170mm		
MEG300G ULTRA	315mm		
MEG450G ULTRA	460mm		
MEG200G*	200mm		

*Approval pending, post July 2022

Bidim Green wrap allows water to pass through while preventing soil migration



IT'S NEVER BEEN MORE IMPORTANT TO BUY AUSTRALIAN THAN RIGHT NOW



GEOFABRICS

SECTOR SPECIFIC DETAILS

	ROADS	<ul style="list-style-type: none"> • Often used in roadside edges, providing faster and higher inflow capacity due to earlier interception of pavement infiltration • High compressive modulus and structural rigidity prevents deflection under normal service loads • Superior stiffness improves both vertical and horizontal alignment, preventing turbidity which can otherwise lead to silt-up blockages
	RAIL	<ul style="list-style-type: none"> • Can be utilised vertically or horizontally to remove excess water, providing a high crush resistance • Product profile design offers higher resistance to deformation and loss in discharge capacity required for use under rail track
	RETAINING WALLS	<ul style="list-style-type: none"> • Provides reliable drainage in specialist construction applications such as retaining walls, shotcrete walls and tunnels • Can be utilised vertically or horizontally to remove excess water, preventing the build up of water pressure induced on the structure • Drains ground water and releases hydraulic pressure behind non-structural retaining walls such as timber sleepers
	SPORTS & RECREATION	<ul style="list-style-type: none"> • Increased drainage performance means that sports field surfaces are quickly returned to a playable condition even in wet weather, ensuring the safety of players • Ensures that sports field surfaces remain healthy, durable and predictable • Can be laid without disrupting the base level due to its trench-less installation method
	MINING	<ul style="list-style-type: none"> • Suited for use as collector drains • Its high compressive modulus and structural rigidity prevents deflection and the loss of flow capacity under high load or localised settlement

ADDITIONAL BENEFITS OF WORKING WITH GEOFABRICS

REDUCED RISK	<ul style="list-style-type: none"> • Produced to strict manufacturing Quality Assurance (QA) provided by a geosynthetics NATA accredited laboratory, ensuring consistent quality for the entire project • Rolls are numbered individually and traceable back to the actual QA test results • Laboratory support is provided for the construction QA process for Megafluo Green
ENHANCED PERFORMANCE AND RELIABILITY	<ul style="list-style-type: none"> • Manufactured in Australia and installed to meet Australian specifications and conditions for over 20 years • The use and effectiveness in a large range of applications is supported by laboratory testing and ongoing field performance
COST BENEFITS	<ul style="list-style-type: none"> • Narrow trench width requirement coupled with easy and rapid installation reduces cost compared to traditional draining systems • Reduces excavation costs as Megafluo Green can be installed closer to the surface
TECHNICAL EVALUATION AND INSTALLATION SUPPORT	<ul style="list-style-type: none"> • Supported by technical assistance from our Geofabrics engineers • Installation equipment is available to assist with efficient and correct installation • Geofabrics Research, Innovation and Development (GRID) facility available for testing into the use of Megafluo drainage under high or dynamic loads, yielding savings to contractors and asset owners



A UNIQUE COMPOSITE DRAINAGE SYSTEM WITH AN UNSURPASSED INFILTRATION RATE AND RIGID FLOW PATH



A cost optimised solution compared to conventional drainage methods by offering reduced trench excavation

GEOFABRICS®



AUSTRALIAN-MADE GEOFABRICS

Geofabrics is the only geotextile manufacturer in Australia, with plants in Albury and Ormeau. We pride ourselves on providing unrivalled service to our customers. We can recommend the best geosynthetic product to achieve the objectives of your project and ensure it's available when you need it.

Over 40 years of experience allows our technical staff to provide practical support, based on local conditions. We are proud to have been recognised in the Australian Financial Review (AFR) Most Innovative Company list in 2020 with Bidim Green.

In 2021, Geofabrics ranked #1 in AFR's Most Innovative Company for Manufacturing and Consumer Goods for Sorbseal.

With a view to the future, we are committed to improving the sustainability of our business by reducing waste to landfill, lowering our carbon emissions and investing in our people.



Visit [geofabrics.co](https://www.geofabrics.co) or call 1300 60 60 20 (AU)
or [geofabrics.co.nz](https://www.geofabrics.co.nz) or call 0800 60 60 20 (NZ)

GEOFABRICS[®]
Sustainable solutions